

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
**(Under 37 CFR 1.97(b) or 1.97(c))**

Docket No.  
**RD28056-5**

In Re Application Of: **Brown et al.**

Serial No.  
**10/672,788**

Filing Date  
**09/26/2003**

Examiner  
to be assigned

Group Art Unit  
to assigned

Title: **TRIAZINE COMPOUNDS, POLYMERS COMPRISING TRIAZINE STRUCTURAL UNITS, AND METHOD**

Address to:  
Assistant Commissioner for Patents  
Washington, D.C. 20231

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☒ the statement specified in 37 CFR 1.97(e);

**OR**

☐ the fee set forth in 37 CFR 1.17(p).

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## Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. 07-0862 as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of \_\_\_\_\_
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.

## Certificate of Transmission by Facsimile\*

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. \_\_\_\_\_)

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Signature of Person Mailing Correspondence

Elizabeth A. Thoresen

Typed or Printed Name of Person Mailing Certificate

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Signature

Dated:

11/17/03

Frank A. Smith - Registration No. 39, 375

General Electric Company

One Plastics Avenue

Pittsfield, MA 01201

Phone: 413-448-7604

Customer No. 25743

CC:

STATEMENT UNDER 37 CFR 1.97(e) ACCOMPANYING  
INFORMATION DISCLOSURE STATEMENT

Docket No.  
RD28056-5

In Re Application Of: **Brown et al.**

Serial No.  
10/672788

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Examiner  
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Group Art Unit  
to be assigned

Invention: **TRIAZINE COMPOUNDS, POLYMERS COMPRISING TRIAZINE STRUCTURAL UNITS, AND METHOD**

TO THE ASSISTANT COMMISSIONER FOR PATENTS:

This is a statement under the provisions of 37 CFR 1.97(e) in the above-identified application.

Check applicable statement herebelow:

Statement Under 37 CFR 1.97(e)(1)

- ☒ Each item of information contained in the accompanying Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement.

Statement Under 37 CFR 1.97(e)(2)

- ☐ No item of information contained in the accompanying Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned person, after making reasonable inquiry, no item of information contained in the accompanying Information Disclosure Statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

*Frank A. Smith*  
Signature

Dated:

11/14/03

Frank A. Smith - Registration No. 39,375  
General Electric Company  
One Plastics Avenue  
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phone 413-448-7604  
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*Elizabeth A. Thoresen*  
Signature of Person Mailing Correspondence

Elizabeth A. Thoresen

Typed or Printed Name of Person Mailing Correspondence

cc:

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## U.S. PATENT DOCUMENTS

* Examiner Initials	Document Number								Date	Name	Class	Subclass	Filing Date if Appropriate
	AA	4	4	5	5	9	4	5	01/23/1990	Brown et al.			
	AB	3	9	6	6	6	8	0	06/29/1976	Wear			
	AC	3	2	9	3	2	4	7	12/20/1996	Duennenberger et al.			
	AD	4	0	9	2	2	4	3	05/30/1978	Dieter et al.			
	AE	3	2	4	4	7	0	9	04/05/1966	D'Alelio			
	AF	3	6	2	6	0	4	9	12/07/1971	Kunio et al.			
	AG	3	7	0	1	6	6	4	10/31/1972	Bernhard et al.			
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	AN EP 0 601 781 A	06/15/1994	European			
	AO EP 0 522 767 B1	01/13/1993	European			
	AP EP 0 386 545 B1	09/12/1990	European			

## OTHER INFORMATION (Including Author, Title, Date, Pertinent)

AQ	Wang, Zhong-Wen et al.: "Synthesis and Biological Activity of Beta-substituted Acrylate Ester as a New Type of Fungicides"; Database Accession No. 131:58591; XP002235577, abstract & Hecheng Huaxue (1999), 7(1), 62-67.
AR	Patel, K.D. et al.: "2'-NA-(N1-(4',6'-Dimethyl-2"-pyrimidinyl) sulfanilamide)1,4-(2'-methoxyphenyl)ureido-6-(aryloxy)-s-triazines"; Database accession no. 128:127992; XP002235578, abstract & Journal of The Institution of Chemists (India) (1997), 69(5), 159-160.
AS	A. Hunter M. et al.: "Single transition state in nucleophilic aromatic substitution: reaction of phenolate ions with 2-(4-nitrophenoxy)-4,6-dimethoxy-1,3,5-triazine in aqueous solution"; Database Accession no. 120:269321; XP002235579 abstract & Journal of the Chemical Society, Perkin Transactions 2: Physical Organic Chemistry (1972-1993) (1993), 1703-4.

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PTO-1449

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AS	DD 220 603A (Paedagogische Hochschule, "Dr. Theodor Neubauer", Ger. Dem. Rep.), 3 April 1985; table 1

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AR	Van Mulijtwijk, A.W. et al.: "Hydrogenolysis of 2,4,6-tris(arloxy)s-triazine over palladium. New method for the replacement of phenolic hydroxyl groups by hydrogen; Database accession no. 82:43362; XP002235582 Abstract & Recueil Des Travaux Chimiques Des Pays-Bas (1974), 93(7), 204-6.
AS	Maeno, Norto et al.: "Effect of substituents on the Smiles rearrangement of O-s-triazinyl-2-aminophenols; Database accession no. 78:3642; XP002235583 abstract & Bulletin of the Chemical Society of Japan (1972), 45(10), 3133-9.

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AS	Wakabayashi, Ko et al: "Inhibitory effects of s-triazines on nitrification in soil. III. Diamino-s-triazines and melanines"; Database Accession No. 73:108869; XP002235586 Abstract & Nippon Dojo Hiriyogaku Zasshi (1970), 41(4), 193-200.

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AQ	Harayama, Takeo et al.: "Smiles rearrangement on s-triazine derivatives"; Database accession no. 73:87895; XP002235587 abstract & Journal of Heterocyclic Chemistry (1970), 7(4), 981-6.						
AR	Konstantinova, T., et al.: "Synthesis and photochemical properties of triazinylaminobenzanthrone derivatives as dyes for polymeric materials"; Polymer Degradation and Stability (1995), 48(1), 161-6; XP002247875.						
AS	Konstantinova, T. et al.: "Synthesis and Application of UV Stabilizers for Polymeric Materials Based on Triazinylaminobenzotriazole"; Polymer Degradation and Stability (1994), 43(2), 187-93, XP002247882.						
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AQ	Bojinov, VL. Et al: "On the possibility of "one-step" coloration and stabilization of polystyrene", Polymer Degradation and Stability (2000), 68(2), 295-298, XP002247876.
AR	Bojinov, Vladimir et al: "Synthesis application of triazinyl-2,2,6,6-tetramethylpiperidine derivatives as stabilizers for polymeric materials", Die & Angewandte Makromolekulare Chemie (1998), 260, 17-20, XP002247883.
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AR	Cunningham, Ian D. et al.: "The Ene Reaction Between Maleimides and Allyl-Substituted Aromatics", Tetrahedron (1997), 53(39), 13473-13494, XP002247877
AS	Neicheva, A. et al.: "Thin-layer chromatographic study of the synthesis of some unsaturated chlorotriazine derivatives with herbicidal activity", XP002247886 abstract & Journal of Planar Chromatography-Modern TLC (1999), 12(2), 145-149.

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AQ	Menicagli, Rita et al.: "Selective mono- or dialkoxylation of 2,4,6-trichloro-1,3,5-triazine in solid liquid phase transfer conditions", XP002247887 abstract & Synthetic Communications (1994), 24(15), 2153-8.
AR	Sakuma, Yasushi et al.: "Preparation of 2,4,6-trisubstituted s-triazine derivatives in treating respiratory diseases", XP00224788 abstract & JP 03 038576 A (Teijin Ltd., Japan) 19 February 1991 (1991-02-19).
AS	Pezenko, Z. N. et al.: "The synthesis of monomers containing the s-triazine ring", XP002247889 abstract & Sintez i Svoistva Monomerov, Akad. Nauk SSR, Inst. Neftekhim. Sintez, SB. Rabot 12-01 'Dvenadtsat'oi Konf. PO Vysokomolekul. Soedin. (1964), 1962, 287-91.

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AQ	Koppman, H.: "Ultraviolet spectra of derivatives of 1,3,5-triazine", XP0022478890 abstract & Rev. Trav. Chim. (1961), 80, 158-72.
AR	Bojinov, Vladimir B. et al.: "Synthesis and Application of New Combined 2,2,6,6-tetramethylpiperidine-2-hydroxybenzophenone 1,3,5-triazine derivatives as photostabilizers for polymer materials", Journal of Photochemistry and Photobiology, A: Chemistry (2002), 146(3), 199-205, XP002247878.
AS	Bojinov, Vladimir B. et al.: "Synthesis of new combined 2,2,6,6-tetramethylpiperidine-2-hydroxyphenylbenzotriazole 1,3,5-triazine derivatives as stabilizers for polymers", Polymer Degradation and Stability (2001), 74(3), 543-550, XP002247879.

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AR	Barcelo, D. et al.: "On the photodegradation of some new unsaturated triazine pesticides using LC-MS technique", XP002247891 abstract & Fresenius Environmental Bulletin (2001), 10(2), 203-207.
AS	Konstantinova, T. et al.: "On the synthesis of some bifunctional reactive triazine dyes", Dyes and Pigments (2002), 52(2), 115-120, XP002247891

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AQ	PCT International Search Report for International Application No. PCT/US 02/24458, International filing date of July 31, 2002.
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